



EROS

HOSPITAL

SEXUAL HEALTH | UROLOGY | MENTAL HEALTH



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1st Andrologist & Prosthetic Urologist in Saurashtra
Kutch region
Visiting andrologist at Africa
Conducted more than 25 CMEs on Sexual disorders
for more than 1500 RMPs
Sex education advocate
Renowned member ISSM, IASMPMM

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The Ins and Outs of Penile Implants:

Indications and Complications

Introduction

- Final treatment option for Erectile dysfunction
- Penile implant was introduced more than 50 years ago
- Dr Rupin Shah– Implantation of first Indian penile prosthesis in 1996
- World wide >50,000 /year out which 50% in US
- More than 2000 implants in India, in last 5 years

Indications

- **Erectile dysfunction (Refractory)**
- **Penile curvature with erectile dysfunction**
- **Ischaemic priapism**
- **Premature ejaculation**
- **Gender Affirmation Surgery**

Advantages

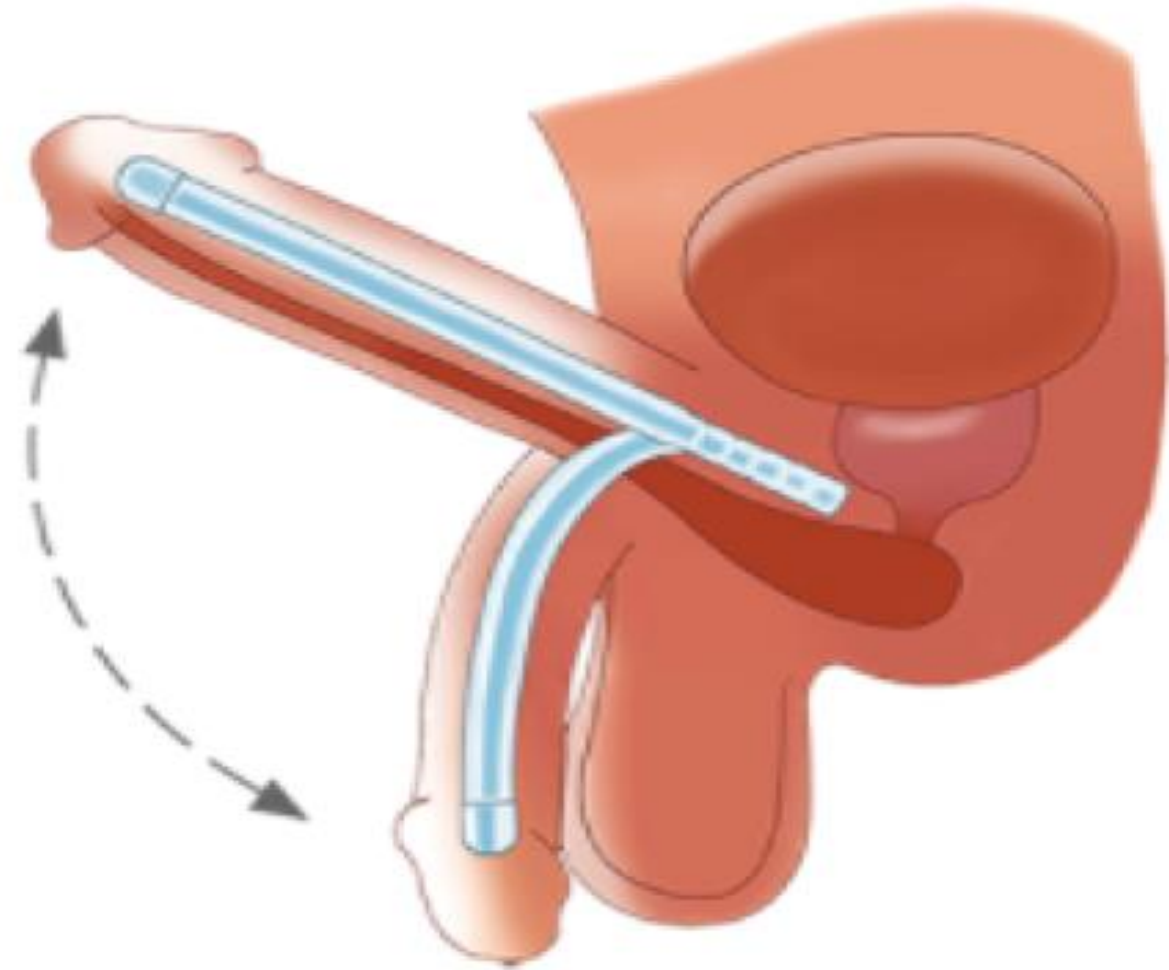
- **Control: Ability to achieve 'on demand' erection**
- **Confidence: Reduced performance anxiety**
- **High satisfaction rate(>90% in man and their partners)**
- **Reduce divorces**
- **Avoidance of ED medication risks**
- **Durability 10–20 years**

Contra-indications

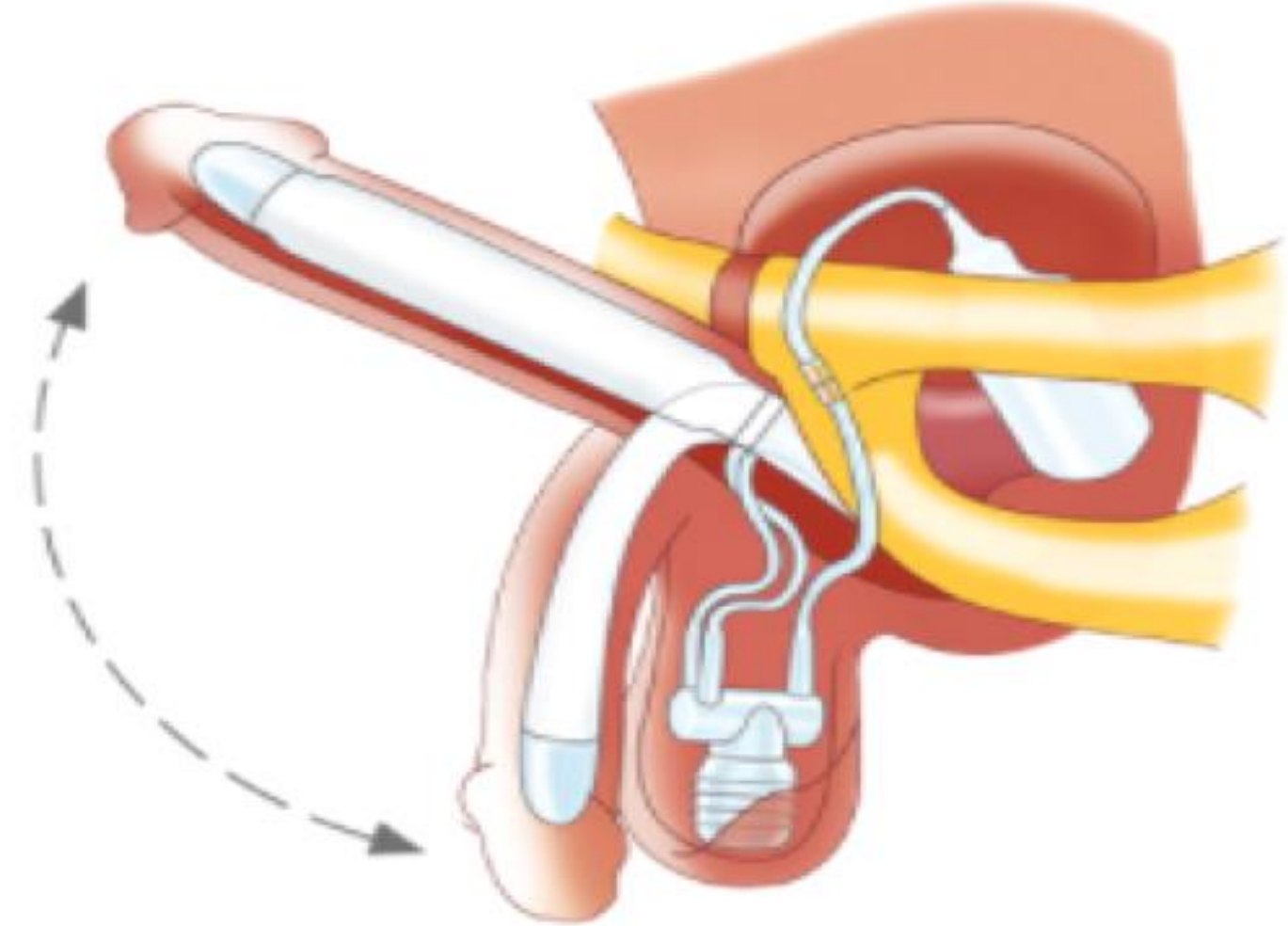
- Urinary tract infection
- Bladder outlet obstruction
- Urethral stricture
- Perineal infection

- Poor motivation
- Uncontrolled diabetes
- Active smoker

MALLEABLE PENILE IMPLANT



INFLATABLE PENILE IMPLANT



Types of penile implant

Malleable implant

Low cost

Easy to perform

Easy to handle

Better reliability



AMS Tactra



Shah

Inflatable implant

Good quality erection

Superior concealment

Higher satisfaction



Ambicor



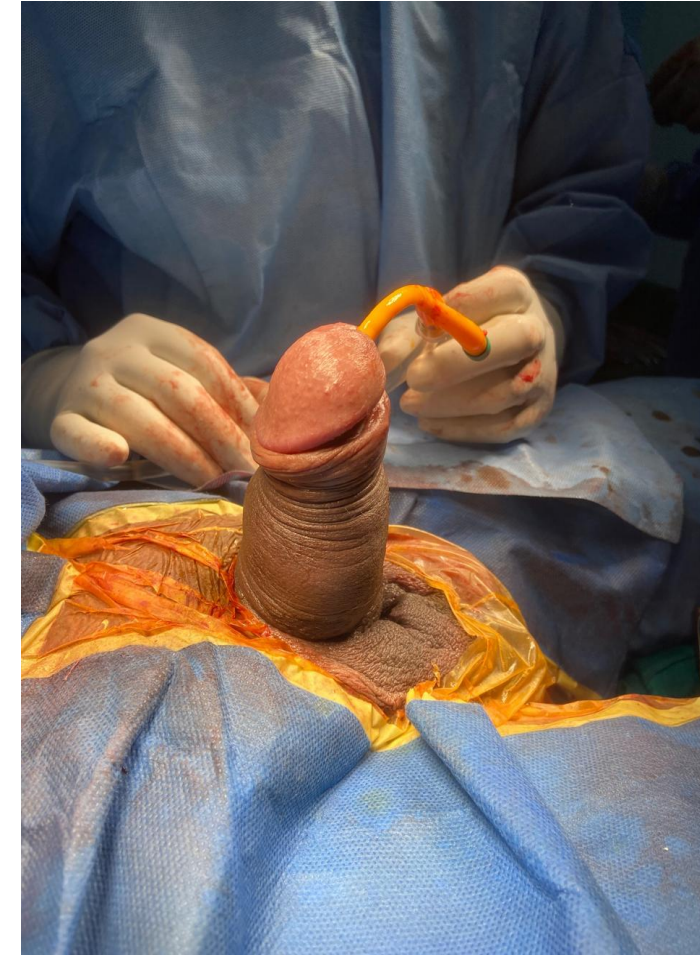
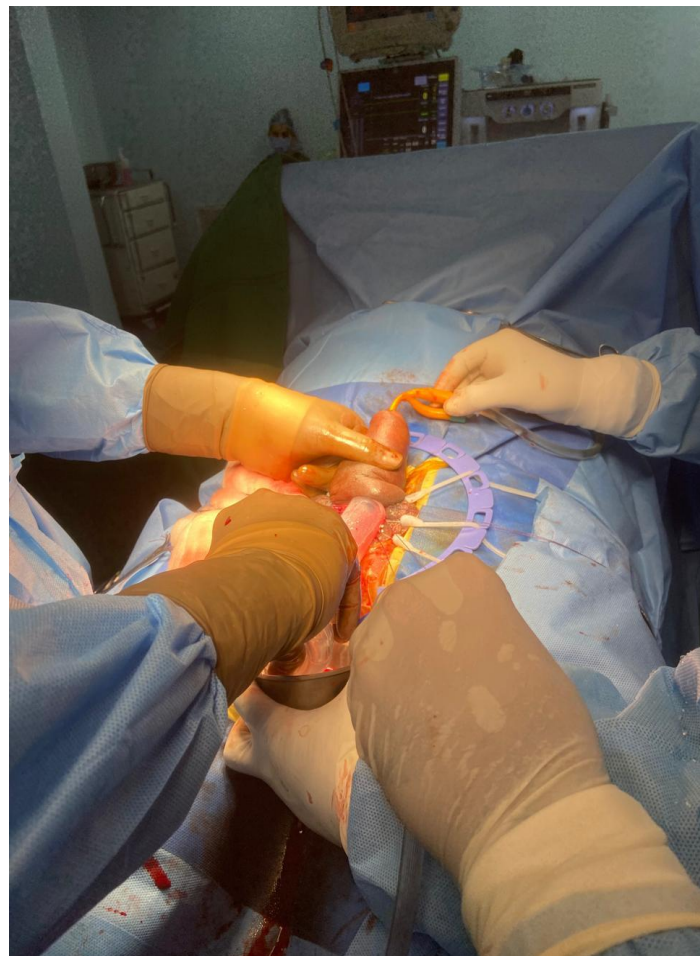
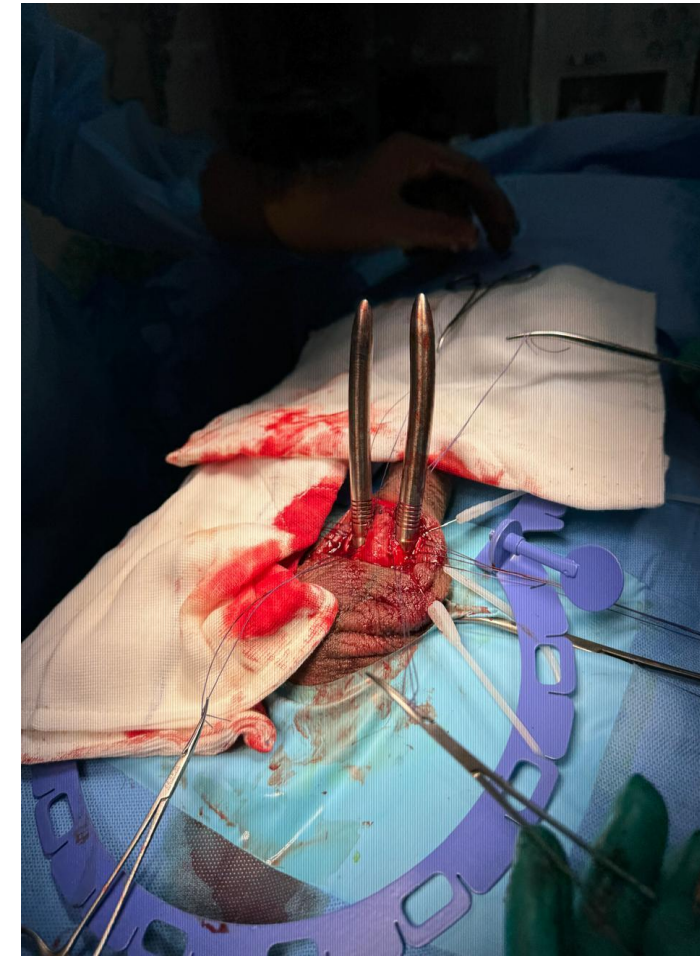
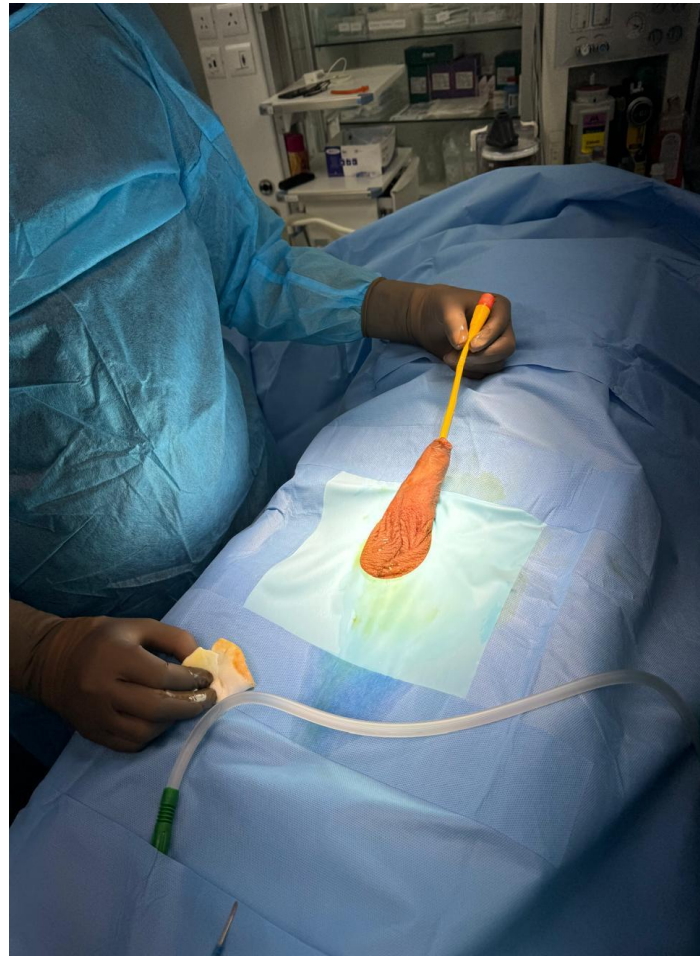
AMS 700

Principles of surgery

- **Selection of patient**
- **Counselling:**
 - Assess for other sexual dysfunctions
 - Selection of Implant
 - Explain the mechanism
 - Complications and its Mx including re-surgery

Principles of surgery (cont.)

- **Pre-operative scrub**
- **Operative:**
 - Antibiotic
 - Part preparation
 - Sterilium scrub
 - No touch technique
 - Change of gloves
 - Sizing of implant
- **Post-operative**
 - Antibiotic
 - Regular follow-up
 - Abstinence for six weeks



Complications

- **On-table**

- Urethral injury
- Corporal perforation
- Cross-over
- Bowel/bladder injury

- **Post-op**

- Pain and haematoma
- Infection
- UTI
- Floppy glans
- Erosion and extrusion
- Glans necrosis

- Malfunction and re-surgery

Complications



Preventive measures

- **Iatrogenic**

- Adequate anti-biotic coverage
- Foley's catheter
- Adequate haemostasis
- Accurate corporal dilatation
- Proper sizing of implant
- Use of anti-biotic solution

- **Others**

- Sugar control
- Cessation of smoking

Take home message

- Selection of the patient is crucial
- Counselling is the key for better outcome
- Following accurate surgical guidelines minimizes post-surgical complications
- Penile implant surgery has More than 90% success rate



Thank you



Ethical practice
Expert advice



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